

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 November 2005 (24.11.2005)

PCT

(10) International Publication Number
WO 2005/111883 A1

(51) International Patent Classification⁷: **G06F 17/60**

(21) International Application Number:
PCT/KR2005/001014

(22) International Filing Date: 8 April 2005 (08.04.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2004-0024100 8 April 2004 (08.04.2004) KR

(71) Applicant (for all designated States except US): **NHN CORPORATION [KR/KR]**; 34th Fl., Star Tower, 737 Yoksam-dong, Kangnam-gu, Seoul 135-080 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **YOO, Won-Seok** [KR/KR]; Mokdong Sinsigaji Apt. 1017-802, Sinjeong 1-dong, Yangcheon-gu, Seoul 158-770 (KR).

(74) Agent: **YOU ME PATENT & LAW FIRM**; Seolim Bldg., 649-10, Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

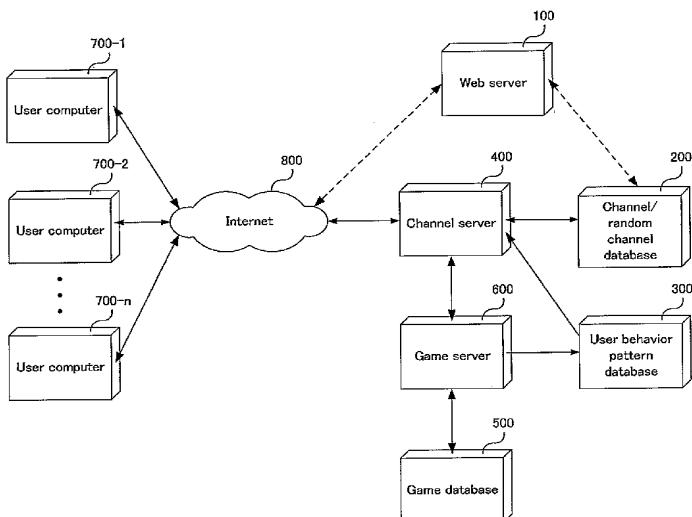
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTERNET GAME SERVICE SYSTEM FOR RANDOMLY ALLOCATING GAME CHANNELS ACCORDING TO USER BEHAVIOR PATTERNS AND METHOD THEREOF



(57) **Abstract:** An Internet game service system for randomly allocating game channels according to user behavior patterns includes a user behavior pattern database, a channel database, a channel server, and a game server so that users having the same or similar game behavior patterns may play games. The user behavior pattern database stores behavior pattern classification references and user game behavior patterns. The channel database stores a list of random channels and data on game rooms at the random channels. The channel server selects a random channel according to the user behavior pattern, provides data on game rooms generated in the selected random channel, and controls a user to enter a game room. The game server provides a game service to the users having entered game rooms, determines game behavior patterns of the users by using behavior pattern references, and stores the determined game behavior patterns in the user behavior pattern database.

WO 2005/111883 A1